

**Article VII.—LIST OF TYPES OF SOME SPECIES OF
LEPIDOPTERA, DESCRIBED BY GROTE AND
ROBINSON, IN THE AMERICAN MUSEUM OF
NATURAL HISTORY.**

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In the present paper I desire to place on record a list of some of the types of the species of Lepidoptera described by Mr. A. R. Grote and the late Coleman T. Robinson. The specimens were donated to the Museum some years ago by Mr. Robinson, who, as far as I have been able to ascertain, also deposited a duplicate set of his *Tortricida*, as well as some of the types of the species which he described in conjunction with Mr. Grote, in the Museum of the Academy of Natural Sciences of Philadelphia. Dr. Henry Skinner and Prof. John B. Smith inform me that some of these types are still there, but that some of them have become lost.

All the species mentioned in this paper are labeled in Mr. Grote's handwriting, except where otherwise stated.

LYCÆNIDÆ.

Thecla lorata G. & R., Trans. Am. Ent. Soc., Vol. I, p. 171.—One female, from Virginia, labeled by Robinson.

Thecla inornata G. & R., l. c. p. 323 (= *T. calanus*).—One specimen, from New York, labeled by Robinson.

Thecla henrici G. & R., l. c. p. 174.—One example, from Pennsylvania, labeled by Robinson.

SPHINGIDÆ.

Hæmorrhagia gracilis G. & R., Proc. Ent. Soc. Phil., Vol. V, p. 26, pl. iii, figs. 1, 2 (= *Hemaris gracilis*).—One male, from Canada, labeled by Robinson.

Hæmorrhagia floridensis G. & R., Ann. Lyc. Nat. Hist., N. Y., Vol. VIII, p. 439, pl. xvi, fig. 20 (= *Hemaris floridensis*).—One male, from Florida.

Hæmorrhagia buffaloensis G. & R., l. c. p. 437, pl. xvi, figs. 18, 19 (= *Hemaris buffaloensis*).—One male, from New York.

Hæmorrhagia thysbe var. **uniformis** G. & R., Trans. Am. Ent. Soc., Vol. II, p. 181 (= *Hemaris thysbe* var. *uniformis*).—One female, without locality.

Philampelus linnei G. & R., Proc. Ent. Soc. Phil., Vol. V, p. 34, pl. iii, fig. 3.—Three examples, from Cuba, with label in Robinson's handwriting.

ZYGÆNIDÆ.

Alypia mariposa G. & R., Trans. Am. Ent. Soc., Vol. I, p. 329, pl. vi, fig. 40.—One female, from California.

Alypia dipsaci G. & R., l. c. p. 327, pl. vi, fig. 37.—One female, from California.

Alypia sacramenti G. & R., l. c. p. 327, pl. vi, fig. 38.—One female, from California.

Euscirrhopterus gloveri G. & R., Trans. Am. Ent. Soc., Vol. II, p. 185 (= *Copidryas gloveri*).—One female, in rather poor condition, but still recognizable.

Melanchroia regnatrrix G. & R., Ann. Lyc. Nat. Hist., N. Y., Vol. VIII, p. 441, pl. xvi, fig. 5.—One male and one female, with Robinson's label.

Charidea bivulnera G. & R., l. c. p. 365, pl. xiii, fig. 2.—I am not positive that the single male from Mexico, without a label, which I have before me is the type. It agrees in all particulars with the description and figure of the species, and being from the Robinson collection it is probably the type.

BOMBYCIDÆ.

Arctia achaia G. & R., Trans. Am. Ent. Soc., Vol. I, p. 334, pl. vi, figs. 45 and 46.—One male and one female, from California.

Arctia mexicana G. & R., Ann. Lyc. Nat. Hist., N. Y., Vol. VIII, p. 369, pl. xiii, fig. 3.—Three males, from Mexico.

Parorgyia clintonii G. & R., Proc. Ent. Soc. Phil., Vol. VI, p. 3, pl. i, fig. 2 and 3.—One male and one female, labeled by Robinson.

Parorgyia parallela *G. & R.*, l. c. p. 5, pl. i, fig. 5.—Male and female, labeled by Robinson.

Parorgyia cinnamomea *G. & R.*, l. c. p. 6, pl. i, fig. 6.—Three males and one female, labeled by Robinson.

Parorgyia obliquata *G. & R.*, l. c. p. 4, pl. i, fig. 4.—Three females, from Rhode Island, labeled by Robinson.

Datana integerrima *G. & R.*, l. c. p. 13, pl. ii, fig. 4.—One male, from New York, labeled by Robinson.

Datana angusii *G. & R.*, l. c. p. 9, pl. ii, fig. 1.—Two males, from New York.

Heuretes picticornis *G. & R.*, Trans. Am. Ent. Soc., Vol. II, p. 190.—One female and cocoon. It was described from the West Indies.

Sisyrosea inornata *G. & R.*, Ann. Lyc. Nat. Hist., N. Y., Vol. VIII, p. 372.—One female, from Pennsylvania. The specimen is without a label, but is one of the original specimens, and doubtless one of the types.

Adoneta pygmæa *G. & R.*, Trans. Am. Ent. Soc., Vol. II, p. 189.—Three males, from Texas, with printed label.

Psephopæctes simulatilis *G. & R.*, l. c. Vol. I, p. 6, pl. i, fig. 1.—One male, from Mexico, somewhat faded, but still recognizable.

Heterocampa pulverea *G. & R.*, l. c. p. 185, pl. iv, fig. 32.—One female, from Pennsylvania. The probable male of this species mentioned by Grote and Robinson (l. c. p. 186) is also in the collection.

Heterocampa elongata *G. & R.*, l. c. p. 184, pl. iv, fig. 30.—One female, from Pennsylvania, with label printed.

Heterocampa brunnea *G. & R.*, l. c. p. 180, pl. iv, fig. 28.—One female, from Pennsylvania, with label printed.

Citheronia mexicana *G. & R.*, Ann. Lyc. Nat. Hist., Vol. VIII, p. 382, pl. xiii, fig. 1.—One female, from Mexico, labeled by Robinson.

PYRALIDÆ.

Asopia anthœcioides *G. & R.*, Trans. Am. Ent. Soc., Vol. I, p. 15, pl. ii, fig. 9.—Three males, from New York.

Siparocera nobilis *Rob.*, GROTE, Ann. Lyc Nat. Hist., N. Y., Vol. II, p. 128.—Four males, from Pennsylvania, labeled "*Callocera nobilis*" by Robinson.

Botys unimacula *G. & R.*, Trans. Am. Ent. Soc., Vol. I, p. 14, pl. ii, fig. 8.—One male, labeled by Robinson.

Botys laticlavia *G. & R.*, l. c. p. 17, pl. ii, fig. 12, ♂.—One male, from Pennsylvania.

Botys deffissa *G. & R.*, l. c. p. 19, pl. ii, fig. 16 (= *B. tyralis* Guen.).—One male, from New Orleans.

Botys haruspica *G. & R.*, l. c. p. 19, pl. ii, fig. 14, ♂ (= *B. acronialis* Walk.).—Three males.

Botys generosa *G. & R.*, l. c. p. 20, pl. ii, fig. 10, ♂ (= *B. orphisalis* Walk.).—One male, from Pennsylvania.

Botys ventralis *G. & R.*, l. c. p. 21, pl. ii, fig. 23, ♂ (= *B. argyralis* Hb.).—One male and one female, from Pennsylvania.

Botys posticata *G. & R.*, l. c. p. 22, pl. ii, fig. 25, ♂ (= *B. similalis* Guen.).—One male, from Pennsylvania, labeled by Robinson.

Botys citrina *G. & R.*, l. c. p. 23, pl. ii, fig. 20, ♀ (= *B. helvialis* Walk.).—One female, from Pennsylvania.

Botys marculenta *G. & R.*, l. c. p. 23, pl. ii, fig. 21, ♀ (= *B. obliteralis* Walk.).—One female, from Pennsylvania.

Botys insularis *G. & R.*, l. c. p. 24, pl. ii, fig. 24, ♂.—One male, from Cuba.

Botys coloradensis *G. & R.*, l. c. p. 25, pl. ii, fig. 18.—One female, from Colorado.

Botys gracilis *G. & R.*, l. c. p. 25, pl. ii, fig. 15 (= *Blepharomastix ranalis* Guen.).—One female, from Pennsylvania.

Botys adipaloides G. & R., l. c. p. 26, pl. ii, fig. 19.—Fine examples, from Pennsylvania, Texas and Virginia, labeled by Robinson.

Botys fabrefacta G. & R.—Two males, from Pennsylvania. No description of this species was published; it is probably some well-known species.

Botys plectilis G. & R., l. c. p. 27, pl. ii, fig. 17 (= *B. tertialis* Guen.).—One female, from Pennsylvania, labeled by Robinson.

Pantographa limata G. & R., Ann. Lyc. Nat. Hist., N. Y., Vol. VIII, p. 464, pl. xvi, figs. 16 and 17.—Two males, from West Virginia, labeled by Robinson.

TORTRICIDÆ.

All the following specimens are provided with labels in Robinson's handwriting:

Teras trisignana Robs., Trans. Am. Ent. Soc., Vol. II, p. 282, pl. vii, fig. 69.—One female, from West Virginia.

Teras deflectana Robs., l. c. p. 283, pl. vii, fig. 71.—Two females, from Pennsylvania.

Teras inana Robs., l. c. p. 281, pl. vii, fig. 65.—One example, without locality.

Teras nigrolinea Robs., l. c. p. 281, pl. vii, fig. 67.—Two males.

Tortrix gurgitana Robs., l. c. p. 263, pl. iv, fig. 16 (= *Cacæcia purpurana* Clem.).—Two females, from Illinois.

Tortrix fumosa Robs., l. c. p. 268, pl. iv, fig. 19 (= *Cacæcia fractivittana* Clem.).—One female, without locality. It was described from Ohio.

Tortrix zapulata Robs., l. c. p. 264, pl. i, fig. 7.—Two males, from Illinois.

Tortrix furvana Robs., l. c. p. 265, pl. i, fig. 9 (= *Cacæcia argyrospila* Walk.).—One example.

Tortrix parallela Robs., l. c. p. 267, pl. iv, fig. 17 (= *Cacæcia parallela*). Two males, from Pennsylvania.

Tortrix palludana *Robb.*, l. c. p. 275, pl. vi, fig. 45 (= *Cacæcia fervidana* Clem.).—Two males and two females, from Pennsylvania.

Tortrix lamprosana *Robb.*, l. c. p. 264, pl. i, fig. 5 (= *Pandemis lamprosana*).—Two females, from Pennsylvania.

Tortrix limitata *Robb.*, l. c. p. 264, pl. i, fig. 5 (= *Pandemis limitata*).—One male and one female, from Pennsylvania.

Tortrix pallorana *Robb.*, l. c. p. 266, pl. i, fig. 13.—Three males and two females, from Illinois.

Tortrix nigrida *Robb.*, l. c. p. 268, pl. iv, fig. 20 (= *T. fumiferana*).—Two males.

Tortrix violaceana *Robb.*, l. c. p. 271, pl. v, fig. 31 (= *Ænectra violaceana*).—One specimen.

Tortrix caryæ *Robb.*, l. c. p. 270, pl. iv, fig. 26 (= *Dichelia caryæ*).—One male, from Illinois.

Tortrix pettitana *Robb.*, l. c. p. 269, pl. iv, fig. 22 and 23 (= *Cenopsis pettitana*).—One male and two females.

Tortrix irrorea *Robb.*, l. c. p. 274, pl. v, fig. 44 (= *Ænectra irrorea*).—One specimen, probably a male.

Conchylis 5-maculata *Robb.*, l. c. p. 284, pl. viii, fig. 76.—One example.

Conchylis angulatana *Robb.*, l. c. p. 286, pl. viii, fig. 81.—Two examples, from West Virginia.

Conchylis argentilimitana *Robb.*, l. c. p. 287, pl. viii, fig. 82.—One example, from Pennsylvania, in poor condition, and barely recognizable.

Conchylis labeculana *Robb.*, l. c. p. 287, pl. viii, fig. 83.—One specimen, from Pennsylvania.